

L1 ANSWER 1 OF 1 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN
AN 1998-323912 [29] WPIX
DNC C1998-099706
TI Statistical propylene-ethylene copolymer with special properties - used
for the production of oriented film and laminated film, especially for
shrink-wrapping applications.
DC A17 A92 P73
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PA (IDEM) IDEMITSU PETROCHEM CO LTD
CYC 3
PI DE 19749765 A1 19980610 (199829)* 17p C08F210-06 <--
JP 10152531 A 19980609 (199833) 14p C08F210-16
US 2003120014 A1 20030626 (200343) C08F010-00
ADT DE 19749765 A1 DE 1997-19749765 19971111; JP 10152531 A JP 1996-313210
19961125; US 2003120014 A1 Div ex US 1997-975183 19971120, US 2002-301708
20021122
PRAI JP 1996-313210 19961125
IC ICM C08F010-00; C08F210-06; C08F210-16
ICS B32B027-32; C08F210-02; C08J005-18; C08L023-16
ICI C08L023-16, C08L023:00
AB DE 19749765 A UPAB: 19980722
Statistical propylene-ethylene copolymers (SPEC), in which (1) the content
of ethylene units (x) is 0.2-10 wt%, (2) the copolymer has a melt index
(MI) of 0.1-4 g/10 mins., (3) the relationship between the content (E) of
material extractable in boiling ether and the value of x is given by $E =$
not more than $0.25x + 1.1$ (when $x = 0.2-6$) (I) or by $E =$ not more than 2.6
(when $x = 6-10$) (II), (4) the relationship between melting pt. (T_m ; deg.
C; by DSC analysis) and x is given by $T_m =$ not more than $165 - 5x$, and (5)
the isotactic triadene content (mm) in the PPP sequence (by ^{13}C -NMR
analysis) is not less than 98.0 mol%. Also claimed is (i) a composition
containing 60-95 wt% SPEC and 5-40 wt% polyolefin polymer; (ii) film made
from SPEC or this composition, (iii) stretched film as in (ii), especially
as obtained by drawing and stretching SPEC or the blend; (iv) multilayer
laminated film with at least one layer of SPEC or composition, and
especially with one or more layers of other thermoplastic resin; and (v)
stretched laminated film as in (iv), especially as made by drawing and
then stretching.
USE - Used especially in film for shrink wrapping and packaging, e.g.
for instant foods such as pot noodles, small notebooks etc.
ADVANTAGE - The SPEC and its compositions have good stretching
properties and good stability as drawn film; they are therefore suitable
for processing on large high-speed machines. Other advantages include good
stiffness, low-temperature heat-sealability, hot and cold sliding
qualities and anti-blocking properties.
Dwg. 0/0
FS CPI GMPI
FA AB
MC CPI: A04-G01E; A04-G06A; A07-A02D; A11-B02A; A12-P01A; A12-P04

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